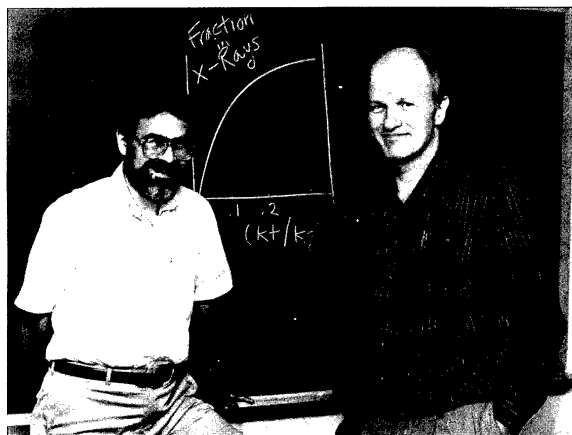


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# NEWS & NOTES

Princeton University/Woodrow Wilson School of Public and International Affairs



Frank von Hippel (right) and Harold A. Feiveson are co-directors of the arms control project that received funding from the Carnegie Corporation Foundation and the John D. and Catherine T. MacArthur Foundation.

## MacArthur and Carnegie Foundations support CIS/CEES disarmament study

The ongoing "alternative nuclear futures" project jointly sponsored by the Center of International Studies (CIS) and the Center for Energy and Environmental Studies (CEES) has been supported by two major foundation grants. The project involves Harold A. Feiveson, research policy analyst at CEES, and two faculty members at the School, Richard H. Ullman, professor of international affairs, and Frank N. von Hippel, professor of public and international affairs.

The project was awarded \$450,000 by the John D. and Catherine T. MacArthur Foundation and \$200,000 by The Carnegie Corporation. The grants support research on the feasibility of reducing U.S. and Soviet reliance on nuclear weapons, providing a detailed description of an alternative nuclear future and an outline of a plan for achieving that goal. Feiveson, Ullman, and von Hippel have worked on this project for nearly three years, and these recent awards will enable them to continue their research and complete two planned volumes about different aspects of their project.

The award statement from The Carnegie Corporation noted that some of "the most careful, independent work on the implications of drastically reduced reliance on nuclear weapons...has been carried out

at Princeton University...."

Until now, U.S. foreign and military policy and the procurement and deployment of weapons has been based on the assumption that nuclear weapons can actually be used to fight wars of varying sizes and that a nuclear arsenal will deter aggression against the U.S. and its allies.

Feiveson, Ullman, von Hippel, and their colleagues produced detailed technical studies that demonstrate that even "limited" nuclear attacks on Soviet or U.S. forces or tactical strikes in Europe would result in tens of millions of civilian casualties. Such attacks would be counter-productive and could easily result in all-out war.

Instead, they argue, a viable nuclear future could be based on "finite deterrence," which means that a nation maintains just enough nuclear weaponry to be able to reply to a nuclear attack with a proportionate response or to be devastating enough to deter attack. Through analysis of both Soviet and U.S. forces, project members have determined that cuts on the order of 90 percent of current levels could take place.

Project members will continue their research on how the threat of destabilizing weapons could be constrained by arms control agreements;

continued on p. 2

## CIA deputy director to speak about agency's role in U.S. foreign policy

Robert M. Gates, deputy director of Central Intelligence, will speak about "CIA and American Foreign Policy" on 29 September (see Coming Events for details). His lecture is sponsored by the School and by CIS.

Robert M. Gates was appointed as deputy director of Central Intelligence in April 1986 and is the principal deputy to the agency's director. He served as acting director of the agency from 18 December 1986 until 26 May 1987 following the illness and death of the director, William M. Casey.

Gates joined the CIA in 1966, serving first as an intelligence analyst and as one of two assistant national intelligence officers for strategic programs. In 1974, he was assigned to the staff of the National Security Council; in five years at NSC, he served three presidents. He returned to the CIA in late 1979 and was subsequently appointed to a series of administrative positions, serving as national intelligence officer for the Soviet Union before being appointed as deputy director for intelligence in 1982. In this position, he directed the division of the CIA that is responsible for all analysis and production of finished intelligence. In September 1983, Gates was also appointed as



Robert M. Gates will speak about the role of the CIA in America's foreign policy on 29 September. He is deputy director of the CIA and was acting director following William Casey's death.

chairman of the National Intelligence Council, where he directed the preparation of all national intelligence estimates prepared by the intelligence community.

Gates, a native of Kansas, earned a B.A. from the College of William and Mary; an M.A. in history from Indiana University; and a Ph.D. in Russian and Soviet history from Georgetown University.

## Coming events

### Friday, September 25

3:30 p.m.  
Great Hall, OPR John Casterline, Brown University, "Change in Fertility in the Philippines Since the 1960s." OPR Seminar.

### Monday, September 28

4:30 p.m.  
Bowl 1 Professor Robert G. Gilpin, Dwight D. Eisenhower Professor of International Affairs, "The United States in the International Economy Since 1947." Peter B. Lewis Lecture Series: Forty Years of American Diplomacy.

7:30 p.m.  
Bowl 1

Charles Blum, assistant U.S. trade representative for multi-lateral negotiations, Office of the U.S. Trade Representative, "The U.S. Objectives in the Uruguay Round." WWS Lecture.

### Tuesday, September 29

4:30 p.m.  
Dodds Aud.

Robert M. Gates, deputy director, CIA, "The CIA and American Foreign Policy." WWS/CIS Lecture.

Coming events  
continued on p. 2

## Livezey explores study options for students during trip to Nicaragua

During a visit to Nicaragua in August, Lowell W. Livezey, administrative director of the undergraduate program, explored educational opportunities for WWS undergraduates who may value a glimpse at the sort of life much of the Third World lives.

Although Americans have a vision of Nicaragua as a country "with a contra under every bush," Livezey explained, "there isn't the sort of erratic violence that there is in San Salvador. Managua is a peaceful place. But it isn't long before you meet someone whose brother or father or son was just killed. You can end up being a counselor to someone who is bereaved. And even if you aren't, after a while it gets to you if you have any kind of human sensibility at all. Every day you talk to someone whose just lost somebody in the war or who's been maimed or crippled for life."

Generally, WWS undergraduates who spend a semester abroad study in England or France, although some have gone to Taiwan and to Russia. During his visit to Managua, Livezey was able to cultivate relationships with several organizations that may eventually host our students.

"What I was really looking for," he said, "was good learning opportunities that minimized the risks of living in the country, but maximized the chances that a student could learn to think like a

policy analyst." Students would have to be fluent in Spanish, he added, since their work would involve a fairly high level of discrimination and understanding.

By "risks," Livezey does not mean the war—although in some areas of Nicaragua, it is a justifiable concern. Instead, he emphasized the considerable stresses of living in a society where most people are poor, infrastructure is marginal, and shortages are legendary.

"The best study opportunity is at the University of Central America (UCA), which is a Jesuit university with a good reputation in social analysis," he said. A UCA professor is developing a semester-long program for North American undergraduates who would live much as the Nicaraguan students do.



They would do a supervised, 100-hour internship in a social agency, a business, or in the government and would have a seminar to help them fit what they are learning into a larger context. The Jesuits who are designing the program built in a "crashpad" for North American students who find that coping with the stresses of life in Managua gets in the way of their educational experience.

A second possible study opportunity surfaced at a research center attached to UCA. There, a team of Americans works as investigative reporters and publishes *Update*, an authoritative newsletter regarded as an insightful source of facts about current affairs in Nicaragua.

"Working as an intern with the American Team would be a fabulous opportunity for someone who spoke very good Spanish and was interested in journalism," Livezey noted.

He also spoke to members of a social science research institute who were intrigued by the idea of having an intern from Princeton with good quantitative and computer skills to assist in their research. "This would be a good opportunity to do fairly conventional social science research in a very unconventional setting," Livezey said.

Livezey's 18-day trip included interviews with national and local officials, meetings with Nicaraguan citizens, and a visit to the Inter-American Institute for Human Rights in San Jose, Costa Rica, the leading human rights institute in Central America. There, he met President Oscar Arias of Costa Rica, who was instrumental in forging the August 7th peace plan for Central America.

He was part of a delegation from a group in Princeton that intends to establish "friendship city" ties with Granada, Nicaragua. He plans to return to Central America next year to begin a study of displaced people and refugees in the region with Gil Loescher, a professor at Notre Dame University.

Nathan Scovronick, public policy consultant to New Jersey's subcommittee on Health and Human Services of the Legislature's 21st Century Task Force will speak on "Health and Human Services: Issues for the Future" at lunch on Monday, 28 September, in room 3. The Task Force attempts to frame the issues for future administrations in New Jersey. Sign-up sheets are posted on the second and fourth floor bulletin boards.

### CIS grants

continued from p. 1

how removal and destruction of weapons could be verified; how to take into account the proliferation of nations possessing nuclear weapons; and how reduced reliance on nuclear weapons will affect the balance of power in Europe. Their research will be published in a book, *Backing Away from the Edge: The Case for 90 Percent Reductions in U.S. and Soviet Nuclear Arsenals*, intended for a broad audience.

The project members are also investigating close quarantine of nuclear materials. This concept involves both a world-wide cut-off of the production of fissionable materials and a ban on nuclear tests above a very low threshold. Once this occurs, the production and disposal of nuclear material can be monitored so that no new warheads can be produced and stockpiles will shrink. This work will be integrated into a book, *The Nuclear Quarantine*, to be published by Ballinger.

The work of the alternative future project, thus far, has provided technical background to public advocacy groups, Congress, and international organizations. Von Hippel, a research physicist, has in addition been active in scientific debates and exchanges with colleagues in the Soviet Union.

*News and Notes* is the newspaper of the Woodrow Wilson School. It is published every Friday during the academic year and contains news about the activities of members of the WWS community and information about speakers and events. An event can be listed in *News and Notes* by contacting Michael Stoner (5764) or Amy Valis (4790). **The deadline for information is 10 A.M. on Tuesday for publication on the following Friday.**

## Coming events

### Thursday October 1

- 4:15 p.m.  
Room 211, Dickinson Angus S. Deaton, William Church Osborn Professor of Public Affairs and professor of economics and international affairs, "Estimation of Variation of Price Elasticities from Household Survey Data in Developing Countries." Econometric Research Program/Oskar Morgenstern Memorial Seminar.
- 4:30 p.m.  
Bowl 2 Professor Jeffrey K. Tulis, assistant professor of politics and Mellon Preceptor, "Emergency Power and the Constitution." Faculty Seminar on the Constitution.

### Friday, October 2

- 3:30 p.m.  
Great Hall-OPR Sajeda Amin, "Assessing the Impact of a Health Intervention on Socio-economic Differentials in Mortality." OPR Seminar.

### Monday, October 5

- 4:30 p.m.  
Bowl 1 Professor Mario Zucconi, director, U.S. and Western Alliance Studies, CESPI, Rome, and Visiting Lecturer of Public & International Affairs, WWS, "The United States and Western Europe." Peter B. Lewis Lecture Series: Forty Years of American Diplomacy.

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# Princeton Weekly Bulletin

## Gift from Stuart endows new chair in communication

The University has established the Stuart Professorship of Communication and Public Affairs in the Woodrow Wilson School. A gift of Robert D. Stuart Jr., U.S. Ambassador to Norway, his family and the Quaker Oats Co., which Stuart served for many years, the chair will enable a distinguished scholar to study the impact of the media—especially television—on public and international affairs.

Commenting on his decision to establish the professorship, Stuart said, "Our society needs a better understanding of the impact of communications—particularly the electronic media—on societal and political values. A research professorship at the Woodrow Wilson School, backed by Princeton's academic resources, should provide a unique vantage point for the study of those media forces that will influence the future of Western democracy."

Woodrow Wilson School Dean Donald Stokes noted that "The link between communications and public affairs will now be given the scholarly attention it deserves. Television in particular has had a revolutionary impact on the conduct of our elections and the character of our system of political parties. We are extremely grateful to Bob Stuart, his family and the Quaker Oats Co. for giving Princeton and the Woodrow Wilson School this fine opportunity."

Stuart, who graduated with the Class of 1937, was one of the first participants in the School of Public and International Affairs. Former chairman and chief executive officer of the Quaker Oats Co., he served from 1970 to 1980 as a charter trustee of the University and continues as a trustee emeritus. He is the son of R. Douglas Stuart and father of R. Douglas Stuart III, James and Alexander, all of whom attended Princeton.

## People

► **Michael Aguilar '90 and Rigoberto Hernandez '89** have been chosen by the Mathematics Department to share the Incentives for Excellence Scholarship Prize of \$1,000 awarded to the department by the National Science Foundation in conjunction with its Minority Graduate Fellowship Program. The prize "recognizes the efforts of [the University's] faculty to identify outstanding minority students in science, engineering or mathematics and to encourage them to pursue advanced study in one of these vital fields."

► Under the German Marshall Research Fellowship Program, Assistant Professor of Politics **Nancy Bermeo** and Walker Professor of Economics and International Finance **Peter Kenen** have been awarded 1987 grants to support studies of U.S.-European relations.

By comparing Italy, Spain and Peronist Argentina, Bermeo will examine how the experience of dictatorship affects the thinking of political elites involved in building democracies. Kenen will explore methods of using policy rules and indicators to promote coordination of international economic policy.

## Elliott edits U.S. literary history

*Columbia University Press publication provides first overall update since 1948*

By Ann Waldron

The time was right, said Emory Elliott, for a new literary history of the United States, and in 1982 when Columbia University Press asked him to edit one, he accepted.

"Deconstructionism was riding high," he said, referring to the currently fashionable type of literary criticism, "and literary history was a dubious enterprise."

Elliott, professor of English and American literature and chairman of the Department of English, was interested in making historicism less dubious. The new *Columbia Literary History of the United States*, with Elliott as general editor, is to appear in December. Although the *History* has 1,384 pages and will cost \$59.95, he and the publishers hope that serious readers and students as well as libraries will buy it.

To begin his work on the *History*, Elliott called on Willard Thorp, Holmes Professor of Belles-Lettres, Emeritus, who was co-editor with Robert E. Spiller of Macmillan's 1948 landmark *Literary History of the United States*, the last such history and the standard work for more than a generation. Thorp gave him some advice, wished him well and later wrote a blurb for the jacket.

Elliott picked five associate editors, three men and two women from major universities (one for each of five historical periods), and in June 1982 he called a meeting in New York to establish a tentative table of contents and to select contributors.

During three days of discussions, the



Emory Elliott refers to Macmillan's *Literary History*, published in 1948.

editors made decisions about who were major writers. There were very serious questions involved in determining how much space should be given to each author, literary movement or group, and genre. Matters of taste, current critical opinion and even professional politics were always present in these deliberations.

For example, the editors asked themselves whether F. Scott Fitzgerald had really written enough major books

to be accorded a separate essay on his work. Some felt he had not. Others insisted that recent criticism on Gertrude Stein revealed her to be a major writer—certainly as important as Fitzgerald. The issue of gender was also at stake, since Fitzgerald and Hemingway were typically claimed to be the great figures of the twenties, while little attention, until recently, had been paid to Stein. The editors compromised: they decided

(Continued on page 3)

## Alcohol, drug counselor joins McCosh

By Justin Harmon

Kevin Ferry, the University's first full-time alcohol and drug counselor, was featured this month on the front pages of two consecutive issues of the *Daily Princetonian*, where he described his goals for alcohol counseling and education—efforts likely to be of broad interest within the Princeton community.

Says Ferry, "Any alcohol program will have certain givens. In a college or university setting, a percentage of students will need intervention; another percentage will find that issues relating to alcohol use come up while they are here, and they will benefit from education."

"But everyone can benefit from increased awareness of alcohol issues in general, and that is why the program I'm working on is intended to reach across the campus."

Operating out of McCosh Health Center, Ferry has begun training students and administrators who have direct responsibility for student life, including residential advisers, the staffs of the residential colleges and representatives of the Dean of Students Office. He greeted members of the incoming class with a flyer describing goals and including a questionnaire to enable them to begin assessing their own knowledge of and attitudes toward alcohol consumption. He plans a series

of workshops on different issues related to alcohol use and abuse, including one for eating club bartenders on "how to monitor drinking and how to shut people off."

Ferry identifies four components in an alcohol program: information, education, treatment and referral.

"Information means letting students know what's available and who's here to help; it also means making sure they are aware of the University's policy on alcohol and of state laws that pertain to drinking. Education refers to programs and workshops about issues relating to alcohol consumption, and the effects of alcohol use and abuse on the person and on loved ones."

"Treatment may mean individual or group counseling or meetings such as those through Alcoholics Anonymous or Adult Children of Alcoholics. Referral programs utilize resources in the community—detox or rehabilitation facilities, for example."

Ferry defines his first job on campus as trying to help achieve a consensus of what the University's role in alcohol issues will be. He feels that students should be given "a considered vote" on recommended policy.

"What matters is consistency of approach," he says. Standards that lack consistent application and rules that are

sporadically enforced only beget confusion among students, he feels.

According to Ferry, "Princeton has a reputation as a place that traditionally regarded drinking—even excessive drinking—as part of a rite of passage into adulthood." In recent years "the administration has recognized the need to reach out to students on alcohol issues," but complications relating to "the traditional ethos," to the raising of the legal drinking age and to the autonomy of the eating clubs have made it difficult to achieve a coherent policy.

Nevertheless, Ferry believes, there is a consensus on campus that the time has

(Continued on page 2)

## Staff News

This week's issue contains Staff News on pages six and seven. Reported are appointments and promotions in Building Services, the Controller's Office, Computing and Information Technology, Development Information Systems, Grounds and Building Maintenance, Near Eastern Studies and Occupational Health and Safety, as well as other staff changes. New members of the biweekly staff are pictured, as are graduates of Building Services' summer supervisory training class.

## Medicaid ranks second in budget

Expenditures for Medicaid, the hybrid state and federal program supporting health care for the poor, have grown 11-fold in New Jersey since the program's inception in 1970, according to a new report published by the Council on New Jersey Affairs.

The report, entitled "The Dynamics and Directions of New Jersey Medicaid," is authored by Nancy G. Beer and John R. Lago of the Woodrow Wilson School.

Medicaid, whose funding has grown from \$124 million to \$1.5 billion, now represents both the largest single category of federal aid to New Jersey and the second largest item in the state's own budget, second only to education. In his 1988 budget, Gov. Thomas Kean recommended a further 10 percent increase in Medicaid spending, a request that was supported, with minor adjustments, by the legislature.

"Federal legislation is giving states greater latitude to define their Medicaid programs at a time when constituents and providers are concerned about comprehensive health care coverage and about cost implications," writes former governor Brendan Byrne, chairman of the Council on New Jersey Affairs, in the report's preface. "These demands are placing new burdens on state decisionmakers to understand their Medicaid programs and the effects program changes have on the health and welfare systems of each state."

It is for these reasons—enormous and growing costs, new state responsibilities and the broad implications of Medicaid policy—that the council decided a report on Medicaid would be timely. The report begins with an overview of

the program and then discusses Medicaid from the federal and state perspectives, describing four policy levers that can effect program change: eligibility, covered services, reimbursement systems and funding.

### Conflicting pressures

Medicaid in New Jersey is under constant pressure to expand its coverage to meet the needs of the state's poorer citizens and at the same time to control costs. These competing forces have led Medicaid to establish complex, incentive-based reimbursement systems for health care providers, to extend eligibility (increasing health services for low-income women and children) and to provide new home- and community-based long-term health care services for the elderly and disabled. These issues are addressed in the succeeding chapters of the report. The final chapter presents a short summary of program trends.

The Council on New Jersey Affairs was founded in 1981 to provide a forum for in-depth study and critical discussion of issues of long-term importance. The council comprises 31 leaders in government, business, labor, higher education and civic organizations. From the outset, its work has been supported by the Florence and John Schumann Foundation of Montclair.

The council regularly commissions papers to provide background for its own discussions and to clarify issues for a larger audience. "The Dynamics and Directions of New Jersey Medicaid" is the 10th working paper to be published. Financial support from the Fund for New Jersey helped secure research time for the report.



Kevin Ferry

## Alcohol counselor

(Continued from page 1)  
come for change. "I feel very optimistic about the openness of everyone I've met—students, administrators and professional staff members—in discussing alcohol policy and programming possibilities. The University is ready to provide services. The resources available here are exceptional and can contribute to making Princeton's program a national model."

Ferry comes to Princeton from the University of Southeastern Massachusetts, where he was coordinator of alcohol and drug education since 1984. He designed and implemented the school's alcohol and drug counseling and education program. He developed an orientation program on alcohol and substance abuse issues for incoming freshmen and residence hall staff and coordinated an information and referral network connecting the university to community services. He also authored the official statement of the university's alcohol policy.

For the past five years, Ferry maintained a private counseling practice on Nantucket Island, where he designed an information and referral network for people experiencing alcohol-related problems. As an instructor at Bristol Community College in Fall River, Mass., from 1972 to 1982, he designed and taught Massachusetts' first college-level course on alcohol use and abuse.

A certified alcohol counselor, Ferry earned his bachelor's degree from Roger Williams College and his master of arts in teaching from Bridgewater State College.

## Council committee urges Ivy, Tiger to revise policy

By unanimous vote of the members present at its meeting on September 19, the Executive Committee of the Alumni Council adopted the following resolution:

"1. We affirm our belief in the total commitment by the vast majority of the alumni body to equal access for women at Princeton.

"2. We deplore the negative effect caused by the membership policies of Ivy Club and Tiger Inn on the perception of the University's commitment to equal access for women.

"3. We urge Ivy Club and Tiger Inn to reconsider their positions and, for the well-being of Princeton, voluntarily adopt membership policies providing equal access for women."

Said Alumni Council Director Richard Scribner '58, "The Executive Committee wanted to emphasize its commitment to work actively with all parts of the University community—the clubs, students and administrators—toward promptly putting this problem to rest."

The Alumni Council's Executive Committee consists of elected and appointed members, including class and regional club and association presidents, and the chairmen of the Council's 13 standing committees.

## Editor, writers take up posts at Alumni Weekly

Michelle Preston, a graduate alumna in the Class of 1986, is the new editor of the *Princeton Alumni Weekly*, succeeding Charles Creesy '65, who has become computer administrator for the Princeton University Press.

Preston, a past contributor to the *PAW*, has been a fact checker for *The New Yorker*.

She is clearly excited about her new job. "PAW's readers are intelligent and educated and interested in a wide range of things," she said. "There's not much pressure from advertisers."

Preston grew up in New Orleans and went to Vassar, where she graduated first in her class in 1980. While she was working on her Princeton Ph.D. in English, she taught preceptorials. She wrote her dissertation on Renaissance allegory, discussing how the conventions of allegorical writing were influenced by the rhetorical training people got in the humanist schools. For one year she was a lecturer in English at Princeton.

"I came to graduate school intending to teach," she said, "but I found it depressing that scholars only write scholarship. The writers I admired—T.S. Eliot, Richard Blackmur and Robert Penn Warren—had all found a wide audience." She enrolled in John McPhee's writing class. "I wrote job applications saying that I wanted to teach and write journalism. I did get a couple of job offers," she said.

Editing appeals to her. "I like not having to write," she said. "Right now I enjoy working in a structured environment and having a deadline every two weeks. I like the pressures of magazine work."

Two of three other vacancies have been filled at the *PAW*. David Williamson '84, a reporter for the *Record and Sunday Weekly* in Havre de Grace, Md., has been named staff writer, and Andrew Mytelka '85, a copy editor for Princeton University Press, will do class notes and sports. Still to be hired is a production editor, who will be in charge of computerized design and illustration research.

## Obituaries

► **Helen Frances Mills**, 80, who retired in 1967 as a secretary in the Woodrow Wilson School after 23 years with the University, died on July 13.

Born in Asbury Park and a resident of Princeton since 1942, she is survived by her step-son, Robert; two step-grandchildren; and two step-great-grandchildren.

► A service was held in the University Chapel on September 19 in memory of **Laurance S. Myers**, a junior from Omaha, Neb., who died September 17 at Princeton Medical Center.

Myers had undergone emergency surgery September 16 after he was found at his off-campus apartment with severe lacerations on his wrists and stab wounds to his chest.

An autopsy performed September 18 offered evidence that Myers' wounds were self-inflicted, according to the Mercer County prosecutor's office and the Princeton Township police.

Myers was a philosophy major and a member of the junior varsity tennis team. He had lived at Wilson College as an underclassman. He came to Princeton from West Side High School in Omaha, where he had been active on the speech and debate team and as co-captain of varsity tennis.

He is survived by his parents, Larry W. '62 and Mariana Gesman Myers, and by a brother, Andrew.

Memorial contributions may be made to the University of Nebraska/University of Creighton Department of Psychiatry, c/o Dr. Frank Menolascino, 602 South 45th Street, Omaha NE 68131.

## People



► Twelve Woodrow Wilson School M.P.A. students have been awarded Presidential Management Internships for two years beginning this fall. Standing are **Lynne Davidson** (l), **Terri Ethridge**, **Susan Marquis**, **Dirk Damrau**, **Mark Moore** and **Sarah Shackleton**; seated are **Sharon Belshé** (l) and **Joel Friedman**. Not pictured are **Carol Kuntz**, **Carlos Palacios**, **Michael Tavis** and **William Turner**, as well as **Baxter Hunt**, who was selected as an alternate.

## Princeton Weekly Bulletin

(USPS-445-080)

Editor: Jacquelyn Savani  
Managing Editor: Sally Moren  
Calendar and Assistant Editor: Carolyn Geller

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### Deadlines

All news, photographs and calendar announcements for the *Bulletin* which covers October 12 through October 18 must be submitted not later than Friday, October 2.

► Professor of Geophysics **William Jason Morgan** has been awarded the 1987 Maurice Ewing Medal, presented jointly by the American Geophysical Union and the U.S. Navy.

► In recognition of her work on 19th- and 20th-century French literature, Professor of Romance Languages and Literatures **Suzanne Crellly Nash** received a 1987 alumnae award from the Wells College Alumnae Association. Nash graduated from Wells College in 1958.

► Albert Einstein Professor of Science **P. James Peebles** has been inducted into the Royal Society of Canada.

► At the 29th Annual Conference of the International Association of Campus Law Enforcement Administrators, Director of Public Safety **Jerrold Witsil** was presented with the President's Award. A past president of the association, Witsil was cited for his leadership and contributions to the campus law enforcement profession.

## Princeton grads predominated at Constitutional Convention

By Ann Waldron

John Murrin, professor of history, likes to say that the Federal Constitutional Convention held 200 years ago in Philadelphia was the first Princeton alumni college.

Of the 55 delegates who composed the Constitution between May and September of 1787, nine were Princeton alumni; this was nearly twice as many as from any other American or British college.

Princetonians, Murrin points out, led each of the three factions that dominated the convention. James Madison, Class of 1771, pushed the Virginia Plan, and William Paterson, Class of 1763, presented and vigorously defended the New Jersey Plan, which appealed to the small states. Neither of these models for the Constitution was ultimately adopted. But among the leaders who promoted the plan that was adopted—a lower house elected in proportion to population and an upper house in which each state regardless of size had equal representation—Oliver Ellsworth of Connecticut, a member of the Class of 1766, figured prominently.

One of the tensest moments at the convention was provided by Gunning Bedford Jr. of Delaware, valedictorian of the Class of 1771. During the deliberations, Bedford declared, "The large states dare not dissolve the confederation. If they do the small ones will find some foreign ally of more honor and good faith, who will take them by the hand and do them justice."

"He did not mean by this to intimidate or alarm," wrote James

Madison in his notes on the convention. "Nevertheless, the threat was a frightening one."

Although Bedford later apologized, "his speech sobered everyone," according to Murrin.

Of the 55 delegates to the convention, 25—including George Washington and Benjamin Franklin—had not attended any college. Five had attended William and Mary, and the same number had been to Yale. Three were Harvard graduates and three Columbia. Two had been to the University of Pennsylvania, one to Oxford and one to Glasgow. (One delegate had studied at three Scottish universities.)

The Princetonian delegates represented six different states, while the Yale men came from four, and all the Harvard graduates were from Massachusetts.

The other Princeton alumni present were Alexander Martin, Class of 1756, of North Carolina; Luther Martin, 1766, Maryland; William C. Houston, 1768, New Jersey (he had been a professor of mathematics and natural philosophy at Princeton); William R. Davie, 1776, North Carolina; and Jonathan Davie, 1776, New Jersey.

In appreciation of his work at the convention, the trustees of the University voted on October 1, 1787, to award an honorary doctor of laws degree to James Madison, who would later become the nation's fourth president. Of him, Georgia delegate William Pierce wrote, "Every Person seems to acknowledge his greatness. He blends together the profound politician with the Scholar. . . is a Gentleman of great modesty, with a remarkably sweet temper."



Marilyn Resh

## Pew biomedical sciences program supports Rous virus research

Assistant Professor of Biology Marilyn Resh is one of 20 young researchers named 1987 Pew Scholars in the Biomedical Sciences. A 13-member national advisory committee of the program, which is supported by the Pew Charitable Trusts, invited 80 institutions to nominate one candidate each, then awarded grants of \$200,000 apiece to those 20 junior faculty members who showed "outstanding promise in basic science or clinical research that will help advance human health."

A Princeton graduate in the Class of 1977, Resh earned her Ph.D. in biochemistry at Harvard in 1982 and continued there as a postdoctoral fellow in cell and developmental biology until

she joined the Princeton faculty in July 1986.

Her research focuses on the Rous sarcoma virus, which causes cancer in chickens.

"When this virus infects cells," she explains, "it expresses a protein, pp60<sup>src</sup>, that causes the normal cells to become malignant. This event, known as transformation, occurs only when the pp60<sup>src</sup> protein is attached to the cell membrane." With a research team that includes a graduate student, a technician and several undergraduates, she says, "We're studying how the pp60<sup>src</sup> protein becomes incorporated in the membrane, what other proteins it interacts with in the membrane, and why it has to be in the membrane to cause cancer."

Resh's research is supported by the American Cancer Society as well as by the Pew award.

"The Pew grant is designed to supplement other funds," she comments. "It allows you the freedom to pursue exploratory experiments you might not be able to do otherwise."

As an example, she describes a project to examine the phenomenon of auto-phosphorylation in pp60<sup>src</sup>.

"In the cell, pp60<sup>src</sup> catalyzes the transfer of phosphate groups from ATP molecules to pp60<sup>src</sup> itself—a reaction known as auto-phosphorylation. Only one of the sites on the pp60<sup>src</sup> protein where auto-phosphorylation occurs has been identified. I plan to identify the other sites—find out how many there are and where—and determine whether the phosphate groups alter the transforming activity of the protein (that is, its cancer-causing capacity)."

This is a project that involves both biochemistry and molecular biology. It will probably take several years, but, Resh says, "If these experiments are fruitful, they'll open up whole new avenues of research for me."

## Editors made hard decisions defining major writers

(Continued from page 1)

to have an essay on Hemingway, Fitzgerald and Stein, written by a woman, Linda Wagner-Martin of Michigan State.

Elliott and the other editors wanted to involve as many women scholars as possible. "About a third of our contributors are women," he noted. "The 1948 history had one woman contributor."

They negotiated how many pages to allot to Henry James and to Faulkner. After deliberating whether it were possible to write a full essay in 25 pages, they concluded that it wasn't and agreed on 35 pages for each. "But we decided to hold it to 25 pages for Emerson and Thoreau," said Elliott.

"We originally decided Robert Frost should have several pages devoted to him in the essay on diversity in American poetry. However, the author who wrote that essay was not a Frost fan, so we decided to devote a separate essay to Frost. John D. Moore, the director of Columbia University Press, was horrified to think that at one point we only had a few paragraphs on Frost."

### Advisory editors critique contents

When he sent the tentative table of contents out to his four advisory editors, "I got three blasts," Elliott commented ruefully.

Houston Baker of the University of Pennsylvania was distressed by what he regarded as the scant treatment of black writers in the 19th century, and he called for a separate essay on Frederick Douglass.

Elliott said, "We didn't feel Douglass's canon was large enough for that, but we added an essay on social discourse and nonfictional prose that included abolitionists and social reformers and that devoted a substantial portion to Douglass. Also, we asked every contributor, throughout the book, to be careful to give full attention to writers from minority groups. One of the most important developments in American literature of the last 25 years has been the excavation and appreciation of the work of many minority and women writers who had been lost from sight."

Another objection came from Louis

D. Rubin Jr., of the University of North Carolina at Chapel Hill, who wrote to say, "You did it to us again." He explained that when he was a young man, the editors of the 1948 history had slighted the South. Now that he was an old man, Rubin observed, the young people were still leaving out the South.

"He said that we defined American writers as Northeastern writers—Melville, Thoreau, James and Whitman," Elliott explained. "He said Northern writers usually looked around and saw Faulkner and included him, and then proclaimed all the others to be regional writers, by which they meant inferior writers. We tried to combat this problem in several ways, such as adding chapters on Thomas Jefferson and the writing of the South and Poe in a Southern context."

### Essays avoid 'ghetto-izing'

The criticism offered by Nina Baym of the University of Illinois was that women did not get enough attention. So, Elliott said, "We lined up an additional essay by [Professor of English] Elaine Showalter on women writers between the wars."

He takes pride in the editors' early responsiveness to criticism. "We knew we needed specialized essays on various groups, but to avoid ghetto-izing we also told every contributor to include women and minorities in the broader treatment of periods and genres. Kate Chopin, for instance, appears in the essay on women writers and also in the essay on realism and regionalism."

Still, as Elliott traveled and spoke about the forthcoming history, other voices were heard. "I spoke at the Modern Language Association, and an Asian-American professor asked me how her people would get in. We called in a specialist on immigrant writers, Werner Sollors. Eventually, after further consultation with several minority critics, there were separate essays on 20th-century Afro-American, Asian-American and Mexican-American writers."

The book is a celebration of diversity, Elliott said, reflecting the contribution of writers from many and varied

backgrounds. Princeton contributors in addition to Showalter are Holmes Professor of Belles-Lettres A. Walton Litz, who wrote on T.S. Eliot and Ezra Pound, and Associate Professor of English Lee C. Mitchell, who wrote on naturalism and the "determined life."

### Deadlines met despite delays

Elliott said he built so much time into the schedule that, in spite of dilatory contributors, he met every deadline.

"I called people. I had wives phoning me up to say, 'He's really working on it.' I went through marriages and divorces; I'd start out talking to the first spouse, and by the time I got the essay I'd be talking to the second spouse."

Elliott has been invited to lecture about the *History* in various European countries, as well as in China and Brazil. When he has spoken of it, he has tried to help his audiences understand the many ways in which putting together such a book in the United States involves different kinds of politics.

"The politics of theory involves questions like this: Is the new historicism valid? The politics of culture has to do with high and low culture: What kind of writing is legitimate? There are the politics of region, the politics of gender, the politics of ethnicity, the politics of national identity—and there is always the politics of professional politics. Somebody attacked us by saying there is no such thing as American literature, only English literature."

Finally, after the page proofs had been read, when it was too late to make changes, Elliott gave a speech where a woman rose and asked, "Do you have an essay on children's literature?"

His jaw dropped. He explained that although there is some discussion along the way of the children's literature of each period, this kind of writing is not singled out for special treatment.

When his challenger insisted that children's literature may be the most important of all, since it is the first thing we read, Elliott said that it would have to be the task of the editors of the next literary history to make that decision.

## Princeton in the news

### Fitzgerald's last words

... assistant producer Cindy Wall [of The Film Company] ... called me from Washington to say, "We would like to film you in the room where Scott Fitzgerald died."

It was almost 47 years since that Saturday afternoon when Scott and I were in my Hollywood living room, I, absorbed in a biography of Beethoven, Scott jotting, in the Princeton Alumni Weekly, the nicknames of the football heroes of his time. He had risen suddenly to his feet, grabbed the mantlepiece, and fallen dead, spread-eagled on the floor. "I don't think I can do it," I repeated to Cindy Wall.

—By Sheila Graham,  
"The Room Where Scott Died,"  
*The New York Times Magazine*,  
July 26, 1987

- Admission charged
- Not open to the general public

All other events listed in the Weekly Calendar are open to members of the University community and the general public, free of charge. Any speaker not otherwise identified is a member of the faculty, staff or student body of Princeton University.

# Weekly Calendar

## Monday September 28

### Arts

7:30 p.m. East Asian Studies seminar in Modern Chinese Literature video. *The True Story of Ah Q*. 202 Jones.

### Lectures

Noon. Cognitive Studies lecture. "Improving Inductive Reasoning." Geoffrey Fong. Langfeld Lounge, Green.

4:00 p.m. Chemical Engineering graduate seminar. "A New Technique for Studying Dielectric Relaxation in Aqueous Colloids." David F. Myers. A224 Engineering Quadrangle.

4:00 p.m. Electrical Engineering/Electronic Materials and Devices seminar. "Electronic and Structural Properties of Hydrogenated a-Si<sub>2</sub>Ge Alloys." Kenneth D. MacKenzie, Harvard University. C207 Engineering Quadrangle.

4:30 p.m. Comparative Literature lecture. "The Negative Way Negated: Samuel Beckett." Shira Wolosky. 6 Woodrow Wilson School.

4:30 p.m. Peter B. Lewis Lecture Series on Forty Years of American Diplomacy. "The United States in the International Economy Since 1947." Robert G. Gilpin. 1 Woodrow Wilson School.

7:30 p.m. Computing and Information Technology Education Series. "Fundamentals of Computing 1." Howard Strauss. Room 101, 87 Prospect. Registration required, call 452-6028.

7:30 p.m. Woodrow Wilson School lecture. "The U.S. Objectives in the Uruguay Round." Charles Blum, assistant U.S. trade representative for multilateral negotiations. 1 Woodrow Wilson School.

### Notices

Noon. Alcoholics Anonymous meeting. Membership not required to attend. West Room, Murray-Dodge.  
8:00 p.m. Hillel Foundation Israeli folk dancing. Corwin.

## Tuesday September 29

### Arts

7:30 p.m. German/Art and Archaeology Weimar Film Series. Murnau: *Nosferatu*. 101 McCormick.

7:30 p.m. History Department films. Documentary: *Hiroshima/Nagasaki*; Stuart Heisler: *The Negro Soldier*. Wood Auditorium, McCosh.

### Lectures

● Noon to 4:30 p.m. Personnel Services follow-up of July 13-17 workshop on "Supervisory Management." Tower, Fine.  
● 12:30 p.m. Energy and Environmental Studies seminar. "The Future of Arms Control." H121 Engineering Quadrangle.  
2:00 p.m. Chemistry seminar. "Conformational Energy Calculations



"When in doubt, dance." Elizabeth Dennehy as Eleanor and Stephen Stout as Barney in McCarter Theatre's production of *The Middle Ages* by A.R. Gurney Jr., which runs through October 11.

on Polypeptides and Proteins." Harold A. Scheraga, Cornell University. DuPont Seminar Room, Frick.

4:00 p.m. Mechanical and Aerospace Engineering seminar in Applied Physics, Fluid Mechanics, Combustion, and Dynamics and Control. "Asynchronous Optical Sampling—A New Combustion Diagnostic Technique." Gaylen King, Purdue University. C207 Engineering Quadrangle. Social gathering at 3:30 p.m.

4:15 p.m. Plasma Physics colloquium. "Topology of the Large Scale Structure of the Universe." Richard Gott. Gottlieb Auditorium, PPL, Forrestal.

4:30 p.m. Physics colloquium. "Physics at CERN." H. Schopper, director general, CERN. A-10 Jadwin.

4:30 p.m. Woodrow Wilson School/International Studies lecture. "The CIA and American Foreign Policy." Robert Gates, deputy director of central intelligence, CIA. Dodds Auditorium, Woodrow Wilson School.

7:30 p.m. Computing and Information Technology Education Series. "Fundamentals of Computing 2." Howard Strauss. Room 101, 87 Prospect. Registration required, call 452-6028.

7:30 p.m. Student Volunteers/Interfaith/United Campus Ministries/University Chapel panel discussion on business. "Peace and Justice '87: How Can We Serve?" David Sand '79, Franklin Research and Development Corp., Boston, and Andrea Schutz '71, Lenox, Lawrenceville. 1 Woodrow Wilson School.

### Notices

7:30 p.m. GØ Club meeting. Stevenson Hall. For information call Rick Mott '73, 924-7310 or 466-1602.  
9:30 p.m. Alcoholics Anonymous big book meeting and discussion. East Room, Murray-Dodge.

## Wednesday September 30

### Arts

4:30 p.m. Creative Writing/English Department reading. Mona Simpson, novelist, and Paul Muldoon, poet, reading their own work. Room 130, 185 Nassau Street.

### Lectures

● Noon to 2:00 p.m. Personnel Services follow-up of March 8-9 workshop on "Contributing to Organizational Effectiveness." Tower, Fine.

4:00 p.m. Biology seminar. "Receptor-Mediated Fertilization in Mammals." Paul Wasserman, Roche Institute of Molecular Biology. 100 Guyot.

4:15 p.m. Industrial Relations/Labor Economics seminar. "The Use of Wages in Coordinating Hours." Aloysius Siow, Columbia University. 211 Dickinson.

4:30 p.m. Chemistry seminar. "Synthesis of Natural and Unnatural Products." Jeffrey D. Winkler, University of Chicago. DuPont Seminar Room, Frick. Social gathering at 4:30 p.m., bridge joining Frick and Hoyt.

4:30 p.m. Computing and Information Technology Education Series. "Demonstration of the IRIS Workstation." David Laur. E423 Engineering Quadrangle. Registration required, call 452-6028.

4:30 p.m. East Asian Studies lecture. "Family Ideology of the Gono (Japanese Rural Entrepreneurs)." Anne Walthall, University of Utah. 202 Jones. Social gathering at 4:00 p.m.

4:30 p.m. Humanities/American Studies/Afro-American Studies/Eberhard L. Faber Memorial Lecture. "Emancipation and Unloosing: Southern Workers in 1865." Nell Irvin Painter, University of North Carolina at Chapel Hill. 5 Woodrow Wilson School.

7:30 p.m. Computing and Information Technology Education Series. "Using and Caring for Your Toshiba." Krishnan Ramaswami. Room 101, 87 Prospect. Registration required, call 452-6028.

7:30 p.m. Computing and Information Technology Education Series. "Using and Caring for Your Zenith." Lisa Muniz. 5 Woodrow Wilson School. Registration required, call 452-6028.

7:30 p.m. Health Services lecture. "What Everybody, But Everybody, Should Know About AIDS." Brian G. Zack. Dodds Auditorium, Woodrow Wilson School.

8:00 p.m. Renaissance Studies/History/Romance Languages and Literatures lecture. "Problems of Belief in the 16th Century: The Religion of Rabelais." Michael Screech, Oxford University. 1 Woodrow Wilson School.

### Notices

9:30 p.m. Amnesty International meeting. Murray-Dodge.

### Sports

3:30 p.m. Men's junior varsity soccer vs. Camden Community College. Gulick Field.

○ 7:30 p.m. Men's varsity soccer vs. Fairleigh Dickinson University—Teaneck. Lourie-Love Field.

## Thursday October 1

### Arts

7:30 and 9:30 p.m. Film Society. François Truffaut: *Day for Night*. Kresge Auditorium, Frick.

8:00 p.m. Humanities Council reading. John McPhee reading from his newest work, *Rising From the Plains*. Film Theater, 185 Nassau Street.

○ 8:00 p.m. McCarter Theatre drama series. A.R. Gurney Jr.: *The Middle Ages*. McCarter Theatre. Seminar follows.

### Lectures

● 9:00 a.m. Computing and Information Technology Education Series.

"Introduction to the IBM PC 1." Eileen Jones and Leila Shahbender Pike. D229 Engineering Quadrangle. Registration required, call 452-6028.

Noon. Molecular Biology seminar. Daniel Broek, Cold Spring Harbor. 3 Lewis Thomas Lab.

2:00 p.m. Geophysical Fluid Dynamics seminar. "Climate Drift in the NCAR Community Climate Model." David L. Williamson, National Meteorological Center, Washington, D.C. 209 GFDL, Forrestal.

4:15 p.m. Econometric Research/Oskar Morgenstern Memorial Seminar. "Estimation of Variation of Price Elasticities From Household Survey Data in Developing Countries." Angus Deaton. 211 Dickinson.

4:30 p.m. Humanities Council/Romance Languages and Literatures lecture. "Gadda, romanziere polifonico." Cesare Segre, University of Pavia. 6 Woodrow Wilson School.

4:30 p.m. Linguistics/English Department lecture. "How Functional Categories Select Complement Structures: Syntax or Semantics?"



## Weekly Calendar

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Mark Baltin, New York University.  
5 Woodrow Wilson School.  
**4:30 p.m.** Medieval Studies/History of Science lecture. "Hugo of Santalla, the Cathedral of Tarazona and an Arabic Collection of Scientific Texts in the Second Quarter of the 12th Century." Charles Burnett, Warburg and Courtauld Institute, London. 230 Dickinson.  
**4:30 p.m.** Physics colloquium. "Statics and Dynamics of Spin Glasses." Daniel Fisher. A-10 Jadwin.  
**4:30 p.m.** Russian Studies lecture. "Soviet Literature in the New Era of *Glasnost*." Anatolii Rybakov, author. Betts Lecture Hall, School of Architecture.  
**4:30 p.m.** University lecture series on Commemorating the Constitution: An Examination of Current Perspectives. "Emergency Power and the Constitution." Jeffrey K. Tulis. 2 Woodrow Wilson School.  
**7:00 p.m.** Computing and Information Technology Education Series. "Fundamentals of Computing 3." Howard Strauss, Room 101, 87 Prospect. Registration required, call 452-6028.  
**7:30 p.m.** Student Volunteers/Interfaith/United Campus Ministries/University Chapel panel discussion on medicine. "Peace and Justice '87: How Can We Serve?" Stephen A. Hoffman '77, Brigham Young Women's Hospital, Boston; Shearwood McClelland '69, College of Physicians and Surgeons of Columbia University, New York; and Beth Rom-Rymer '73, Institute for Stress Management, Hoffman Estates, Ill. 1 Woodrow Wilson School.

## Notices

• **9:00 a.m. to 4:00 p.m.** Personnel Services orientation program for new employees. Senate Chamber, Whig.  
• **Noon.** International Center conversation over lunch. Murray-Dodge.

Friday  
October 2

## Arts

**7:30 and 10:00 p.m.** Film Society. Gregory Nava: *El Norte*. Kresge Auditorium, Frick.  
• **8:00 p.m.** McCarter Theatre drama series. A.R. Gurney Jr.: *The Middle Ages*. McCarter Theatre.

## Lectures

• **9:00 a.m.** Computing and Information Technology Education Series. "Introduction to the IBM PC 2." Eileen Jones and Leila Shahbender Pike. D229 Engineering Quadrangle. Registration required, call 452-6028.  
**3:30 p.m.** History of Science colloquium. "Continuity or Change in Medical Practice 1660-1740?" Andrew Wear, University of Aberdeen, Scotland. 217 Palmer. Social gathering follows, 220 Palmer.  
**3:30 p.m.** Population Research seminar. "Assessing the Impact of a Health Intervention on Socio-Economic Differentials in Mortality." Sajeda Amin. 21 Prospect.  
**4:00 p.m.** Mechanical and Aerospace Engineering seminar in Applied Physics, Fluid Mechanics, Combustion, and Dynamics and Control. "New Short Wavelength Light Sources." Roger W. Falcione, University of California, Berkeley. D221 Engineering Quadrangle. Social gathering at 3:30 p.m.  
**4:00 p.m.** Psychology lecture. "Communication and Social Cognition in Monkeys." Robert Seyfarth and Dorothy Cheyney, University of Pennsylvania. Langfeld Lounge, Green.

## Notices

• **12:30 p.m.** Campus Fund Drive fund run. Campus. For information call 734-7696.  
**8:00 p.m.** World Folkdance Cooperative instruction; requests at 9:00 p.m. Location posted at 185 Nassau Street.

## Sports

**2:55 p.m.** Men's varsity and junior varsity cross country vs. University of Pennsylvania. Clarke Field.  
**5:00 to 10:00 p.m.** Women's varsity volleyball/Princeton Invitational. Dillon Gym.

Saturday  
October 3

## Arts

• **4:30 and 9:00 p.m.** McCarter Theatre drama series. A.R. Gurney Jr.: *The Middle Ages*. McCarter Theatre.  
**7:30, 9:30 and 11:30 p.m.** Film Society. Medhi Charef: *Tea in the Harem*. Kresge Auditorium, Frick.

## Notices

**8:00 p.m.** Princeton Scottish Country Dancers. Murray-Dodge.

## Sports

**2:00 p.m.** Men's junior varsity soccer vs. N.J. Institute of Technology. Gulick Field.  
**5:00 to 10:00 p.m.** Women's varsity volleyball/Princeton Invitational. Dillon Gym.

Sunday  
October 4

## Arts

• **2:00 and 7:30 p.m.** McCarter Theatre drama series. A.R. Gurney Jr.: *The Middle Ages*. McCarter Theatre.  
**7:30 and 9:30 p.m.** Film Society. Luis Bunuel: *Viridiana*. Kresge Auditorium, Frick.

## Notices

• **11:30 a.m. to 2:00 p.m.** Prospect Sunday country brunch.

## Religion

**11:00 a.m.** University Chapel Service of Holy Communion. The Rev. Sue Anne Steffey Morrow.

## Sports

**1:30 p.m.** Men's freshman football vs. Dartmouth College. Palmer Stadium.

## Exhibits

## Art Museum

Closed for expansion and renovation.

## Firestone Library

**Exhibition Gallery:** Monday-Friday, 9:00 a.m. to 5:00 p.m.; Saturday, 9:00 a.m. to noon, 1:00 to 5:00 p.m.; Sunday, 2:00 to 5:00 p.m.  
"Curators' Choice: An Introduction to the Collections." Through October 2.  
**The Leonard L. Milberg Gallery for the Graphic Arts** (second floor): Monday-Friday, 9:00 a.m. to 5:00 p.m.; Saturday, 9:00 a.m. to noon, 1:00 to 5:00 p.m.; Sunday, 2:00 to 5:00 p.m.  
"Princeton Iconography, 1760-1987." Through October 2.  
**Lobby:** Monday-Friday, 8:00 a.m. to 11:45 p.m.; Saturday and Sunday, noon to 8:00 p.m.

## Gest Oriental Library

Jones Hall. Monday-Friday, 9:00 a.m. to 11:00 p.m.; Saturday, 10:00 a.m. to 5:00 p.m.; Sunday, 2:00 to 11:00 p.m.  
"Japanese Calligraphy of the Edo Period, 1600-1868."

## Museum of Natural History

Guyot Hall. Monday-Friday, 9:00 a.m. to 5:00 p.m. Closed weekends.  
"Bird of the Month: Fabulous Pheasants."  
"Evolution of the Horse."  
"The California Condor."

## Seeley G. Mudd Library

Olden Street. Monday-Friday, 9:00 a.m. to 5:00 p.m. Closed weekends.  
"Princeton Memorabilia of the 1890s."

## Etcetera

## Dillon Gymnasium

For hours call 452-4466.

## Library

For hours call 452-3181.

## McCarter Theatre Box Office

For reservations call 683-8000, Monday-Saturday, noon to 6:00 p.m.

## Orange Key Guide Service

Maclean House (rear entrance).

Tours offered Monday-Saturday at 10:00 and 11:00 a.m., 1:30 and 3:30 p.m.; Sunday at 1:30 and 3:30 p.m.  
For information call 452-3603.

## Prospect Association

For information call 452-3455.

## Richardson Auditorium

For reservations call 452-5000, Tuesday-Friday, 4:30 to 6:30 p.m.; Friday and Saturday, noon to 2:00 p.m. Closed Sunday and Monday.

## Nassau Notes

## New computer index can be tested at WWS

The Public Affairs Information Service Inc. (PAIS), an association of libraries that has published indexes in public affairs and public policy since 1914, recently selected the Woodrow Wilson School Library as a test site for its new information retrieval system, PAIS on CD-ROM, under the sponsorship of Computing and Information Technology.

With this system, an IBM-PC and a compact disk player give the user immediate access to the entire PAIS database of 250,000 references published in English and five other languages from 1972 through 1986. The 4 3/4-inch disk holds 14 years of indexed material and can hold 15 more as the database is updated.

According to Woodrow Wilson School librarian Linda Oppenheim, the PAIS index has long been "the most logical starting place for any research in the social sciences." Students initiating research projects with a visit to the card catalog don't realize how much material is not in the catalog, she points out. "Government documents, for instance. There are just too many of them. Princeton stopped cataloging government documents in 1977."

But the PAIS index lists materials that are not generally catalogued, such as journal articles, government documents, pamphlets, court decisions, agency reports and conference proceedings.

The system currently available in most campus libraries, the Princeton University Reference Retrieval Service (PURRS), can access the PAIS database and many others, but it has certain disadvantages, according to Oppenheim.

A trained librarian is needed to operate the system, which takes staff time, limits user access and introduces an intermediary into every search. It is expensive, costing from \$0.50 to \$3 per minute, and there is an additional charge for each bibliographic citation printed; the average search costs from \$10 to \$50, with charges billed to departmental accounts or paid in cash.

PAIS on CD-ROM, however, allows

users with neither technical knowledge nor searching experience to browse through the database and locate the information they want almost immediately. No librarian is necessary; the system is up as long as the library is open; and the cost per use is far less than with PURRS.

Oppenheim feels that the new system is ideal for Princeton, especially in view of the University's emphasis on independent academic work. "Students can use it themselves and become proficient in computer information retrieval."

She emphasizes that, although the system is being tested at the Woodrow Wilson School, "the information contained in the database is applicable to many fields, not just the social sciences. A biologist might want to study bioethics; someone in the humanities might look for material on government support of the arts. Any topic that has a public policy aspect can be searched."

PAIS on CD-ROM will continue to be tested in the Woodrow Wilson School library until November 15.

"We want lots of feedback on this," Oppenheim says. "We need staff, students and faculty to use the system and comment on it. They can come over any time and work away on the thing until the library closes at midnight."

CIA deputy director  
discusses U.S. policy

Robert M. Gates, deputy director of central intelligence, will speak about "The CIA and American Foreign Policy" on September 29 in Dodds Auditorium at the Woodrow Wilson School. Beginning at 4:30 p.m., the lecture is sponsored by the school and by the Center of International Studies.

Appointed deputy director of central intelligence in April 1986, Gates is the principal deputy to the director of the agency. Following the illness and death of Director William M. Casey, he served as acting director from December 18, 1986, until May 26, 1987.

Gates joined the CIA in 1966 as an intelligence analyst and as one of two assistant national intelligence officers for strategic programs. In 1974 he was assigned to the staff of the National Security Council and served there five years under three presidents. Returning to the CIA in 1979, he was appointed to a series of administrative positions, including that of national intelligence officer for the Soviet Union and, in 1982, that of deputy director for intelligence.

As deputy director for intelligence, he was in charge of the CIA division responsible for all analysis and production of finished intelligence. In September 1983 Gates was also made chairman of the National Intelligence Council, where he directed the preparation of all National Intelligence Estimates prepared by the Intelligence Community.

A native of Kansas, Gates holds a bachelor of arts degree from the College of William and Mary, a master's in history from Indiana University and a Ph.D. in Russian and Soviet history from Georgetown University.

University physician  
talks about AIDS

"What Everybody, But Everybody, Should Know About Aids" will be the topic discussed by Director of Sexual Health Services Dr. Brian Zack on September 30. A question and answer period will follow his talk, which begins at 7:30 p.m. in Dodds Auditorium at the Woodrow Wilson School.

AIDS (Acquired Immune Deficiency Syndrome) is a devastating disease that has currently affected over 40,000 Americans, half of whom have died. Many more cases are reported worldwide. AIDS can strike all segments of the population—men, women, adults and children—regardless of sexual preference or level of sexual activity.

Presenting a broad overview of AIDS, including modes of transmission and recommended precautions to prevent its spread, Zack says, "Education is the key to the prevention of this disease, as well as to the prevention of irresponsible discrimination against its victims."



The Staff News section carries articles about members of the University staff and information about University employment policies and practices.

# Staff News

## CIT appoints three, promotes one

In Computing and Information Technology, Brad Gianulis and Joe Tierney have become members of the professional technical staff; Daniel Oberst and Saletta Van Fleet have joined the administrative staff.

Says Gianulis, "We have a software package that allows students to produce animation and realistic images of their data. I'm in charge of that operation."

A graduate of the University of Tennessee School of Architecture, Gianulis received a bachelor's degree in 1981. From 1982 to 1985 he was employed as an applications programmer in Chicago and then as director of computer services for an architectural firm in Charlotte, N.C. In the area of computer animation, he has several film credits, and he has spoken as a guest lecturer at the University of Illinois School of Architecture and the Institute of Industrial Engineers Conference.

A native of Kansas City, Mo., Gianulis lives in Princeton with his wife, Debbie, and their preschooler, Joanna. In addition to electronics, he is interested in photography.

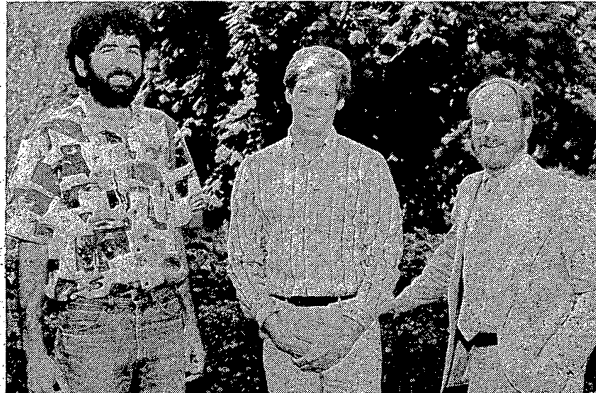
As statistical software consultant, Tierney promises, "I will provide statistical computing support to anyone in the University who needs it."

He holds a 1983 bachelor's degree in sociology from St. Joseph's University in Philadelphia and a 1985 M.A. in demography and sociology from Princeton. As a graduate student in the Office of Population Research, he has been a teaching assistant, won several fellowships and published papers in population studies.

Born and raised in Upper Darby, Pa., Tierney now lives in Bensalem, Pa., with his wife Donna. "I'm an enthusiastic fan of my alma mater St. Joe's basketball team," he says.

Director of advanced technology and applications Oberst is in charge of two groups that investigate, evaluate and pilot new innovative technologies in computing and information processing.

After graduating from the University of Notre Dame in 1970 with a bachelor's degree in mathematics and French, Oberst taught mathematics for a year in California, then spent the next four years in Malaysia teaching math and science in the Peace Corps and later working as curriculum coordinator for the National University of Malaysia. In 1977 he earned a master's degree in international education and in 1980 an M.Phil. in mathematics education from Columbia University Teachers College.



Brad Gianulis (l), Joe Tierney and Daniel Oberst

He also did one year of graduate studies in mathematic linguistics at Massachusetts Institute of Technology.

From 1978 to 1981 he was with Marymount College in Tarrytown, N.Y., first as an instructor in math and statistics and then as computer center manager. For the past five years he has been director of networking activities for EDUCOM in Princeton.

Born in Rochester N.Y., Oberst is married to Martha Richmond, who works at the University as assistant director of health profession advising. They live in Lawrenceville with their three children—Caleb (six), Jesse (five) and Keturah (one).

With the University since 1976, Van Fleet started as a keypunch operator in Administrative Services, then moved to the Controller's Office as an account clerk. In 1982 she transferred to Computing and Information Technology and has now been promoted to the position of administrative assistant to the director of advanced technology and applications. "I do whatever needs doing," she says. "I like looking for more efficient ways to get office jobs done."

A native of Brooklyn, N.Y., Van Fleet is a graduate of Princeton High School. She worked at Opinion Research Corp. for nine years before joining the University. A resident of Hamilton Square, where she lives with her 16-year-old daughter Angela, she enjoys reading, movies, handicrafts (especially crocheting) and weekend visits to area flea markets.



**Recent graduates.** Sixteen who graduated from Building Services Supervisory Training Class were honored at a reception held at Prospect in August. Pictured with instructor John Allen (c) are James Ponder (l), Jesus Ramos, Richard Clugston, Gerald Adderley, Oscar Garrett, Eurnice Rozier, Milton Brown, Marjorie Ellison, Antonio Sferra, Samuel Griffiths, Antonio Cifelli and Paul Romain; not pictured are Rose Yates, Claudia Hubbard, Vincenzo Cifelli and Chologis Ward.

Photographs by Robert P. Matthews

## Staff changes

### Academic departments

In Molecular Biology Mark Flocco has been promoted to the senior technical staff.

In Mathematics Scott Kenney has been promoted to department manager.

### Dean of the College

Transferring from Undergraduate Financial Aid, where she was assistant director, Karen McMichael has been promoted to admission officer in the Admission Office.

### Facilities

Cynthia Horr, who was previously associate director of the Center for Visitor and Conference Services, has been promoted to director.

In Food Services, Barry Telford has been promoted from manager at Forrester to production manager at Forbes College.

### Library

Stephen Ferguson, who will continue to serve as curator of rare books, has now been given a supplementary appointment as assistant University librarian for rare books and special collections.

### Transfers

Susan Batton and Philippe Menos have been transferred from the administrative staff to the technical staff in Firestone Library, and Shari Taylor from the administrative staff to the technical staff in Art and Archaeology.

Nancy Drago has moved from the position of department manager in Romance Languages and Literatures to administrative assistant in Latin American Studies.



Sally Van Fleet

## Cavalier and Crawford take positions as members of the Controller's Office

The Controller's Office recently acquired two new administrative staff members.

Senior internal auditor Bruce Cavalier appraises the reliability of financial and operating information "so that management can better control operations under its responsibility."

A 1979 graduate of Rutgers University with a B.A. in accounting, Cavalier worked six years for Conrail as financial analyst and one year for RCA as general accountant. Born in Philadelphia, he now lives in Voorhees, N.J.; his wife, Virginia, is a registered nurse at West Jersey Hospital in Voorhees. The couple are fans of traveling and backpacking, and Cavalier himself "takes full advantage of the gym facilities" on campus.

Manager of investment administration Kate Crawford's job is "to monitor and report on the performance of Princeton's investment portfolio and to handle special investment-related assignments."

Before joining the University, she worked for five years as a manager at Thomas Cook Inc. and ran Crawford Consulting, her own business consulting firm. Previously, she spent three years in California, employed by a general contracting firm and a real estate company in San Francisco, and in the California division of the Bank of America.

Originally from St. Louis, Mo., Crawford graduated with honors from Colby College in 1978 and went on to earn her M.B.A. from the University of San Francisco in 1980. She has many interests, including jazz and classical music, contemporary American art, Japanese prints, volleyball and weightlifting; for recreational reading she likes psychology.



Bruce Cavalier



Kate Crawford

## Four move up from biweekly to administrative staff

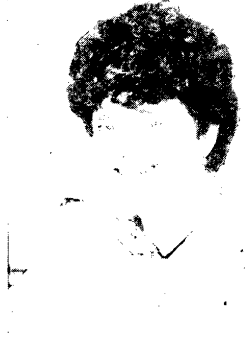


Sharon Fleming

Four former biweekly employees have joined the administrative staff.

As operating budget analyst in the Controller's Office, **Sharon Fleming** resolves income and expense questions, develops University-wide budget summaries, and monitors income and expenses for University departments. She was previously secretary to the director of the budget.

Born in Davenport, Iowa, Fleming spent most of her life in Colorado and graduated from the University of Colorado in 1979 with a degree in biology. Before coming to Princeton, she worked for the Pearl S. Buck Foundation in Pennsylvania. Now she lives in Yardley, Pa., with her husband Ron, a project manager in management information systems for Squibb Pharmaceuticals. Her hobbies are traveling, and collecting and restoring antiques; her favorite sports are volleyball and racquetball. "And, being from Colorado, of course I'm an avid Broncos fan," she says.



Judy Gross

**Lynn Grenier**, who has been with the Department of Building Services for two of her seven years with the University, has been promoted to administrative assistant in that department. In her new job she will supervise accounting, maintain personnel records and oversee all day-to-day operations of the office.

Before joining Building Services, Grenier was in the Controller's Office. A resident of Perth Amboy, she is currently working toward a business

degree at Rutgers University. Her husband, William, makes prototype hearing aids for Siemens Hearing Instruments in Piscataway. Grenier likes to spend "as much time as I can with my daughter"—Melanie Patricia, age three.

**Judy Gross**, program assistant in Near Eastern Studies, assists the director with administrative responsibilities. She came to the department as a secretary in 1976 and most recently worked there as data entry specialist.

Before coming to Princeton, she was a medical secretary at Brooklyn Veterans Administration Hospital and at Mt. Sinai Hospital at Elmhurst.

A native of Brooklyn, N.Y., Gross is a resident of East Windsor. She and her husband, Edward, who is a CPA in New York City, have two children: Debbie, who just graduated from the University of Delaware, and Stefanie, a student at C.W. Post College on Long Island. Gross herself is a part-time student of business administration at Mercer County Community College. She enjoys walking, swimming and the theater.

**John Stryker**, a veteran of 13 years in the carpentry shop of the Department of Grounds and Building Maintenance, has been made general foreman.

In his new job, he will oversee the masonry, key, glass, carpentry and paint shops. In addition, he is responsible for



John Stryker

work in campus and University real estate.

Born and raised on a Belle Mead dairy farm, Stryker is a graduate of Princeton High School. He now lives in Cranbury with his wife, Geraldine. The Strykers have two grown children, one of whom, John Jr., works in the University's air conditioning shop.

Stryker, who is usually called Jack, has been chief of the Cranbury Fire Company for 16 years.

## New employees join Development Information, OHS

Two administrative staff members have taken positions at the University.

**Daniel Dunlop**, director of Development Information Systems, supervises the data processing that supports the University's fund-raising activities. In addition, he says, "We'll be working with Computing and Information Technology to develop and install a University-wide information system."

As an undergraduate Dunlop was in a cooperative program of the U.S. Air Force and the University of Illinois, from which he received an electrical engineering degree in 1956. He has an extensive employment background in technical and administrative services, having worked for Western Electric in Hopewell and for the McCall Corp., the Boy Scouts of America and Dow Jones in South Brunswick. For the past five years he was self-employed as a data processing consultant.

A native of New Jersey, Dunlop is a pilot; he lives in Robbinsville, "just so I could be close to the airport there." When not aloft, he likes boating, bowling and personal computers.

**Cynthia Pondel**, assistant safety engineer in Occupational Health and Safety, does general safety surveys on



Daniel Dunlop

campus and conducts accident investigations. She also leads safety training programs for University employees.

Before coming to Princeton, Pondel worked for the National Safety Council in Chicago as safety director and section administrator. Her 1981 degree in



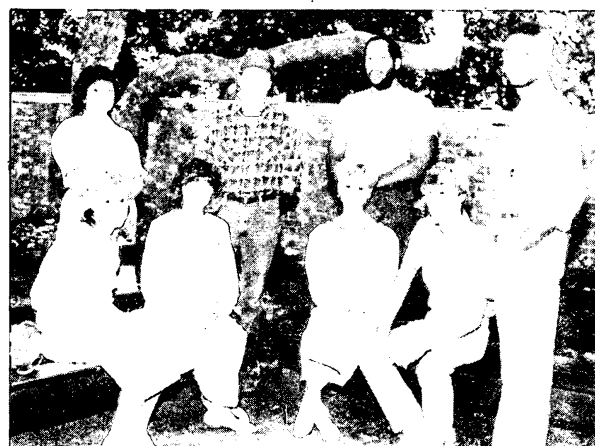
Cynthia Pondel

occupational safety and health is from the University of Wisconsin—Whitewater. Raised in Minocqua, Wisc., she enjoys both downhill and water skiing. "I've really started to enjoy the shore since I moved to New Jersey," she says. She also likes needlecraft and watching old movies.



Lynn Grenier

**Summer arrivals.** Members of the biweekly staff who joined the University this summer are (below) office assistants **Priscilla Lorand** (l) in Personnel Services and **Alice Crocker** in Psychology, technical secretary **Abigail Cole** in Chemistry, rental equipment operator **Jeff Wall** in Building Services, secretaries **Margaret Murphy** in the Controller's Office and **Marjorie DeFrank** in Athletics, animal caretaker **William Marsh** in Molecular Biology and technical secretary **Patricia Trinity** in the Woodrow Wilson School;



(above) secretary **Mary Kay Caswell** (l) in the Controller's Office, receptionist **Lorri Hanna** in Housing, technical secretary **Martha McMorrow** in the Woodrow Wilson School, apprentices **Delmar Harmon** and **Hytte Briscoe** in the Utility Plant, secretary **Christine Lindgren** in the Office of Research and Project Administration, equipment operator **Jeffrey Durepos** in Athletics and janitor **Bony Coulanges** in Building Services.

# Employment

Princeton University is an Equal Opportunity Affirmative Action Employer. Minority/Female/Handicapped/Veteran.

Detailed descriptions of jobs are available in the job opportunities pages, posted at various locations on campus, or from the Personnel Office. PPL is an abbreviation for Plasma Physics Laboratory. A recording of job openings may be heard by calling (609) 452-3303.

## Administrative and related staff

The following jobs described in previous issues are still open: associate director, advanced information systems, Management Information Systems; designer, engineering and construction, Engineering; manager, planned giving, Controller's Office; programmer analyst, Management Information Systems.

**Accounts administrator.** Oversees operation of budget and accounting in areas of payroll, computer account registration, outside client relations, and invoicing and purchasing; assists manager of budget and finance. Requires several years of experience in financial/accounting/budgetary areas and experience with computers. Background in mainframe environment helpful. Grade 3/4. Salary: \$22,100-\$29,450.

Computing and Information Technology Req. 8639

**Assistant dean of students and special assistant to dean of college for support services/minority life.** Serves as principal adviser to deans of college and students on quality of undergraduate life for minority students, including admissions, financial aid, and academic and career counseling. Working closely with colleagues, evaluates and develops programs responsive to needs and talents of students whose racial or cultural backgrounds complicate adjustment; participates in deans' staff meetings and contributes to formulation and implementation of policies concerning academic and residential life; oversees summer freshman orientation program. Requires strong organizational, problem-solving, analytic, communication and collaborative skills; ability to interact with variety of groups; sensitivity to needs of students from diverse family, social, economic and religious backgrounds; experience as an administrator or faculty member in academic setting. Experience working with Latino students and other Third World students and organizations preferred. Application deadline: October 9. Dean of Students Req. 7369

**Assistant director.** Responsible for annual giving activities of several alumni classes and their major reunion drives. Works closely with class agents and special gifts chairmen; maintains contact with class presidents and other class leaders; travels. Ability to inspire and guide volunteers, as well as good communication and organization skills essential. Must enjoy working with individuals and in team environment. Grade 5. Salary: \$27,000-\$33,200.

Annual Giving Req. 8472

**Director of graduate admission.** Responsible for administrative management of office, meeting diverse needs of faculty, staff and prospective students. Plans and directs processing of admission materials. Trains and supervises permanent and temporary staff. Assists in ongoing development of computer systems. Prepares, analyzes and presents comparative data. Coordinates graduate registration. Requires bachelor's degree, with one to three years of supervisory management experience and excellent communication skills. Experience with automated online record keeping systems, mass mailings and administrative experience in higher education highly

desirable. Application deadline: October 5. Send resume and names of three references. Grade 4. Salary: \$23,900-\$29,450. Graduate School Req. 8790

**Executive assistant.** Provides administrative support to dean of students by representing office to University community and general public; implements budget allocations and expenditures; supervises staff; plans and coordinates conferences and receptions; assists in overseeing physical plant; researches and prepares reports. Requires excellent communication skills, previous supervisory and budget experience and demonstrated organizational skills. Ability to handle sensitive and confidential matters essential. Familiarity with office computers preferred. Grade 2. Salary: \$20,500-\$24,600.

Dean of Students Req. 7371

**Football intern.** Assists coaching staff with coordination of recruitment, scouting of opponents, entry of computer data and logistics of game. Modest stipend and benefits offered.

Athletics, Physical Education and Recreation Req. 8399

## Professional technical

**Research associate.** One or more positions available under several sponsored projects, working with faculty, researchers and students. Responsibilities include design and implementation of software systems as well as their experimental evaluation. Requires Ph.D. and experience in at least one of the following areas: databases, distributed systems, VLSI design, artificial intelligence, computer architecture. Salary: open. Send resume to Hector Garcia-Molina, Department of Computer Science. Computer Science

## Lab and shop

**Animal caretaker II.** Performs routine duties related to the care of laboratory animals; maintains records and data; assists with the needs of students and faculty. Requires A.A.L.A.S. certificate and/or previous experience and ability to lift 50 pounds. Salary: \$16,850.

Psychology Req. 7579, 7580

**Lab assistant II.** Performs routine laboratory support, which includes preparing solutions, washing glassware and accurately measuring components of solutions and media. Some math ability helpful. Salary: \$13,935

Molecular Biology

**Media services technician.** Provides audiovisual services for classes and special events occurring between 3:00 and 11:00 p.m. daily; maintains and repairs growing inventory of audiovisual and language laboratory equipment. Requires associate degree in electronics or audio engineering and three years of experience in field. Video production experience, ability to use microcomputer and certification as audio or audiovisual technician desirable.

Computing and Information Technology Req. 6237

**Senior technical assistant.** Plans and executes complex technical procedures and tasks by following proven approaches and methodology and taking time and cost into consideration; participates in execution of major projects with senior technicians, supervisors and/or engineering associates; monitors work of junior technicians; participates in design and fabrication of special purpose computer.

Mechanical and Aerospace Engineering Req. 7511, 7515

## Maintenance and service

**Foreman.** Responsible for general administration of multiple operations within a department or departments. May supervise one or more foremen. Salary: \$20,900

Building Services Req. 8739

# What's happening?

If you subscribe to the *Princeton Weekly Bulletin*, you won't have to ask what's happening at Princeton University.

The day-by-day, hour-by-hour Weekly Calendar includes University-sponsored events scheduled on campus. Athletic events, concerts, lectures, exhibits, movies and plays (including all McCarter Theatre productions) can be found in the *Bulletin's* center spread.

Lively news and feature stories introduce you to University personalities and keep you abreast of exciting research, faculty and staff achievements and student activities and perspectives.

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**Proctor.** Provides for safety and security of students, visitors, employees and property within the University. Requires extensive knowledge and experience of safety/security procedures to conduct investigations, respond to emergencies and prevent crimes. Salary: \$24,814

Public Safety Req. 8605

## Office and clerical

**Library office assistant II.** Performs repetitive clerical work according to established guidelines, which may require judgment in the application of policies and procedures within an area of assignment. Must be able to work with the public and handle detailed and diverse jobs efficiently. General library and GEAC experience helpful. Typing 30 wpm. Salary: \$12,384.

Firestone Library Req. 8442

**Office assistant II.** Performs clerical work such as assembling, classifying, coding, posting and computing information according to established guidelines, which may require judgment in the application of policies and procedures within an area of assignment. Requires one year of related experience and/or post high school education. Typing 30 wpm. Nine-month position. Salary: \$12,825 FTE.

Graduate School Req. 7692

**Office assistant III.** Performs clerical work such as examining and evaluating data according to established guidelines, which requires some independent judgment in the application of policies and procedures in both assigned and related work areas. Requires three years of related work experience and/or post high school education. Typing 45 wpm. Salary: \$14,425.

Building Services Req. 8595  
 English Req. 6238 (10-month position)  
 General Counsel and Secretary  
 Graduate School Req. 6268 (10-month position)

Personnel Services Req. 8500  
 Visual Arts (10-month position)

**Office assistant IV.** Provides clerical support, which requires independent judgment in the application of policies and procedures in both assigned and related work areas; exercising discretion, procures, examines, evaluates and prepares confidential information according to established guidelines. Typing 45 wpm. Salary: \$17,500.

Alumni Council Req. 8374  
 Personnel Services Req. 8798

**Office coordinator.** Coordinates work of office staff. Performs secretarial duties which entail knowledge of assigned area, exercising discretion regarding sensitive and confidential material, and contact with students, faculty, deans and department heads.

Council of Ivy Group Presidents Req. 8782

**Receptionist.** Handles incoming telephone calls and greets visitors for office, section and/or building; provides routine information and directions to appropriate persons or places; maintains appointment schedules; performs a variety of clerical and typing duties. Typing 45 wpm. Salary: \$13,525.

Admission Office Req. 8470  
 Health Services Req. 7347  
 Undergraduate Admission Req. 8641

**Secretary II.** Performs secretarial duties for one or more members of the faculty, research or administrative staff, requiring some judgment in the application of policies and procedures dealing directly with students, faculty and/or others. Requires two years of related experience and/or post high school education. Typing 45 wpm. Salary: \$13,525.

Sociology Req. 5901

**Secretary III.** Performs secretarial duties for one or more members of the faculty or research or administrative staff, which requires some independent judgment in the application of departmental or office policy and procedure in dealing directly with students, faculty and others. Must exercise discretion in obtaining and providing factual and confidential information, which entails knowledge of both assigned and related work areas and University operation. Typing 45 wpm. Salary: \$15,450.

Athletics Req. 8388  
 Computer Science Req. 8522  
 Dean of Students Req. 7370  
 Graduate School Req. 8324  
 Research and Project Administration

**Technical research secretary II.** Performs secretarial duties for one or more members of the faculty or research or administrative staff. Types and proofreads technical reports, manuscripts and abstracts requiring knowledge of word processing. Requires two years of work experience and/or post high school education, which includes at least six months of related work experience. Typing 55 wpm. Salary: \$14,425-\$15,450.

Biology Req. 8057  
 Mechanical and Aerospace Engineering Req. 7510

## Part-time and/or temporary

Call (609) 452-6130 for further information regarding part-time and/or temporary positions.